Form PTO-948 (Rev. 06/03)   _O8y y9O_   \   U.S. DEPARTMENT OF COMMERCE
Application No._____   U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date)_____2/28/0 2_____ are:
A. __X__ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. _____ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected
drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required). ___ Color drawings are not acceptable until petition is granted. Fig(s)_____ ___ Pencil and non black ink not permitted. Fig(s)____	**8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i) ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)_____
2. PHOTOGRAPHS. 37 CFR 1.84(b) ___ One (1) full-tone set is required. Fig(s)_____ ___ Photographs may not be mounted. 37 CFR 1.84(e) ___ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s)_____ ___ Poor quality (half-tone). Fig(s)_____	**9. SCALE.** 37 CFR 1.84(k) ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s)_____
3. TYPE OF PAPER. 37 CFR 1.84(e) ___ Paper not flexible, strong, white, and durable. Fig(s)_____ ___ Erasures, alterations, overwritings. interlineations, folds, copy machine marks not accepted. Fig(s)_____	**10. CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l) ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s)_____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) or 21.6 cm by 27.9 cm (8 1/2x 11 inches) ___ All drawing sheets not the same size. Sheet(s)_____ ___ Drawings sheets not an acceptable size. Fig(s)____	**11. SHADING.** 37 CFR 1.84(m) ___ Solid black areas pale. Fig(s)_____ ___ Solid black shading not permitted. Fig(s)_____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm ___ Margins not acceptable. Fig(s)_____ _____Top (T) _____ Left (L) _____Right (R) _____ Bottom (B)	**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p) ___ Numbers and reference characters not plain and legible. Fig(s)_____ ___ Figure legends are poor. Fig(s)_____ ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s)_____ ___ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)_____ ___ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s)_____
6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. ___Views not labeled separately or properly. Fig(s)_____	**13. LEAD LINES.** 37 CFR 1.84(q) ___ Lead lines missing. Fig(s)_____ **14. NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t) ___ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s)_____
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s)_____	**15. NUMBERING OF VIEWS.** 37 CFR 1.84(u) ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)_____ **16. DESIGN DRAWINGS.** 37 CFR 1.152 ___ Surface shading shown not appropriate. Fig(s)_____ ___ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s)_____

COMMENTS:

Reviewer_____   Date __4/15/04__

If you have questions, call (703) 305-8404.   Attachment to Paper No. _____